

DREDGE 20  
S. Johnston  
Is Ridge

[illegible]

Sample Description

Cruise I.D: F7-86 HW

Sample I.D: Sta: 22 CD20-1

Location: S. Johnston I

15 Y8X6

Size: \_\_\_\_\_ Weight: 0.5 Kg

Ridge

Mn crust thickness: NONE

Total: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Inner crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Outer crust: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Surface texture: \_\_\_\_\_

Internal structure: \_\_\_\_\_

layered: \_\_\_\_\_

laminated: \_\_\_\_\_

massive: \_\_\_\_\_

porous: \_\_\_\_\_

dendritic: \_\_\_\_\_

other: \_\_\_\_\_

Mineralogy (XRD): \_\_\_\_\_

Associated alteration, phosphorite, or hydrothermal deposits: \_\_\_\_\_

Substratum: \_\_\_\_\_

Rock type: Volc. Breccia

Description: Brick-red highly altered

clasts of volc. rxs in a yellowish-brown

cement of calcite (?) & clay (?) chips of Mn oxides

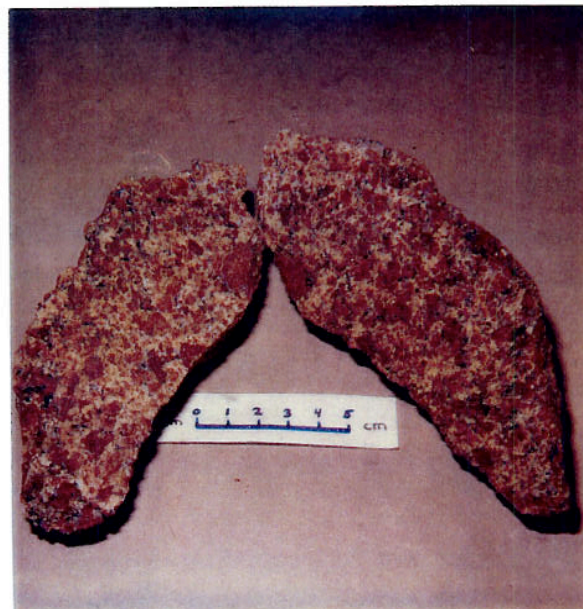
chips of Mn oxides

sample is very friable

Brick-red highly altered clasts of volc. rxs in a yellowish-brown cement of calcite (?) & clay (?) chips of Mn oxides

☐ Sample is very friable

Mineralogy(XRD): \_\_\_\_\_



CD20-1

Analyses and subsamples:

analysis:

CD20-1 OC Bulk

CD20-1 Thin Section

analyst:

19am

XRD shows no calcite



Sample Description

Cruise I.D: F7-86-HW

Sample I.D: Sta: 22 CD20-2

Location: S. Johnston I.  
Ridge

Size: \_\_\_\_\_ Weight: \_\_\_\_\_

Mn crust thickness:

NONE

Total: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_

Inner: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_  
crust

Outer: min: \_\_\_\_\_ max: \_\_\_\_\_ ave: \_\_\_\_\_  
crust

Surface texture: \_\_\_\_\_

Internal structure: \_\_\_\_\_

layered: \_\_\_\_\_

laminated: \_\_\_\_\_

massive: \_\_\_\_\_

porous: \_\_\_\_\_

dendritic: \_\_\_\_\_

other: \_\_\_\_\_

Mineralogy (XRD): \_\_\_\_\_

Associated alteration, phosphorite, or hydrothermal deposits: \_\_\_\_\_

Substratum: \_\_\_\_\_

Rock type: Volcanic Breccia

Description: Yellow-green altered  
Volc. Rx frags (?) in a drusy  
calcite cement - some brown  
altered Rx frags; coatings &  
stringers of Mn in the drusy calcite  
& in some vesicles of volc. rx.

sample is very friable

Mineralogy (XRD): \_\_\_\_\_



**CD20-2**

Analyses and subsamples:

analysis:

CD20-2 - OC - Bulk

CD20-2 Thin Section

CD20-2A OTC isotopes

CD20-2B XRD (as is)

analyst:

24/10/86

Yellow-green altered volc. rx Frags (?) in a drusy(?) calcite cement - some brown altered rx frags; coatings & stringers of Mn in the drusy(?) calcite & in some vesicles of volc. rx  
sample is very friable

Thin section from this 1/2



CD 20-2